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## SEARCH REQUEST FORM Scientific and Technical Information Center - EIC2800

Rev. 3/15/2004 This is an experimental format -- Please give suggestions or comments to Jeff Harrison, JEF-4B68, 272-2511.

Date 1/9/06 Serial # 10/646,897 Priority Application Date 3/4/02  
 Your Name M. Mims Examiner # 73172  
 AU 2829 Phone 292-1835 Room 5A30  
 In what format would you like your results? Paper is the default. ☒ PAPER ☐ DISK ☐ EMAIL

If submitting more than one search, please prioritize in order of need.

Need before  
1/18

The EIC searcher normally will contact you before beginning a prior art search. If you would like to sit with a searcher for an interactive search, please notify one of the searchers.

Where have you searched so far on this case?

Circle: USPT DWPI EPO Abs JPO Abs IBM TDB

Other: \_\_\_\_\_

What relevant art have you found so far? Please attach pertinent citations or Information Disclosure Statements. \_\_\_\_\_

What types of references would you like? Please checkmark:

Primary Refs ☒ Nonpatent Literature ☐ Other ☐  
 Secondary Refs ☒ Foreign Patents ☐  
 Teaching Refs ☐

What is the topic, such as the **novelty**, motivation, utility, or other specific facets defining the desired **focus** of this search? Please include the concepts, synonyms, keywords, acronyms, registry numbers, definitions, structures, strategies, and anything else that helps to describe the topic. Please attach a copy of the abstract and pertinent claims.

Claims 170-179  
 Encapsulated Compounds -  
 Proved damage to substrates  
 Problem: See pages 2 & 3  
 Solution: " " " 3-7  
 US 6,717,245  
 " 6,841,413  
 6,607,970

Staff Use Only  
 Searcher: M. Mims  
 Searcher Phone: 25928  
 Searcher Location: STIC-EIC2800, JEF-4B68  
 Date Searcher Picked Up: 1-12-06  
 Date Completed: 1-13-06  
 Searcher Prep/Rev Time: 8:22 425  
 Online Time: 75

Type of Search  
 Structure (#) \_\_\_\_\_  
 Bibliographic ☒  
 Litigation \_\_\_\_\_  
 Fulltext \_\_\_\_\_  
 Patent Family \_\_\_\_\_  
 Other \_\_\_\_\_

Vendors  
 STN ☒  
 Dialog \_\_\_\_\_  
 Questel/Orbit \_\_\_\_\_  
 Lexis-Nexis \_\_\_\_\_  
 WWW/Internet \_\_\_\_\_  
 Other \_\_\_\_\_

01/13/2006 10/646897 Lewis

=> d his full

(FILE 'HOME' ENTERED AT 09:33:43 ON 13 JAN 2006)

FILE 'CAPLUS' ENTERED AT 09:34:01 ON 13 JAN 2006

L1 43340 SEA ABB=ON PLU=ON BALL LIMIT? OR BLM OR BGA OR GRID ARRAY OR  
BUMP OR SOLDER(W) (BALL OR BUMP) OR SOLDERBALL OR BOC OR  
BOARD(2A)CHIP OR FCBGA OR BCOB OR FPBGA OR DDC OR DIE CONTACT  
OR (WAFER OR CHIP) (2A) (PACK? OR PAD OR DIE OR BOARD OR  
ELECTROD? OR BUMP) OR KGD OR KNOW GOOD OR KGC

L2 1358769 SEA ABB=ON PLU=ON ENCAPSULAT? OR ENROB? OR ?SHROUD? OR  
SHEATH? OR ENCAS? OR ENVELOP? OR ?COAT? OR LAMINAT?

L3 1297885 SEA ABB=ON PLU=ON VIA OR STUD OR PLUG OR HOLE OR APERTURE OR  
RIE OR CHANNEL? OR REACTIVE ION OR DAMASCENE OR INTERCONNECT

L4 1150 SEA ABB=ON PLU=ON L1 AND L2 AND L3

L5 2064881 SEA ABB=ON PLU=ON POLYMER OR POLYURETHANE OR POLYIMIDE OR  
RESIN OR EPOX? OR UNDERFILL? OR UNDER FILL? OR PHOTOPOLYMER?

L6 499 SEA ABB=ON PLU=ON L4 AND L5

L7 14152 SEA ABB=ON PLU=ON (2ND OR SECOND OR DUAL OR DOUBLE OR TWO OR  
DUPLICATE OR MULTIPLE OR TWICE) (2W) (L2)

L8 8 SEA ABB=ON PLU=ON L1 AND L7 AND L3 AND L5  
D IBIB ABS 1-8

FILE 'STNGUIDE' ENTERED AT 09:50:11 ON 13 JAN 2006

FILE 'CAPLUS' ENTERED AT 09:56:19 ON 13 JAN 2006

L9 28 SEA ABB=ON PLU=ON L1 AND L5 AND L7

L10 20 SEA ABB=ON PLU=ON L9 NOT L8  
D IBIB ABS 1-20

FILE 'WPIX' ENTERED AT 10:10:56 ON 13 JAN 2006

L11 39 SEA ABB=ON PLU=ON L1 AND L3 AND L5 AND L7  
D IFULL 1-39

FILE 'STNGUIDE' ENTERED AT 10:19:12 ON 13 JAN 2006

FILE 'DPCI' ENTERED AT 10:25:22 ON 13 JAN 2006

FILE 'STNGUIDE' ENTERED AT 10:33:14 ON 13 JAN 2006

FILE 'INSPEC, COMPENDEX' ENTERED AT 10:38:35 ON 13 JAN 2006

L12 4 SEA ABB=ON PLU=ON L1 AND L3 AND L5 AND L7  
D IBIB ABS 1-4

L13 12 SEA ABB=ON PLU=ON L1 AND L5 AND L7

L14 8 SEA ABB=ON PLU=ON L13 NOT L12  
D IBIB ABS 1-8